

**Amendments to the Claims:**

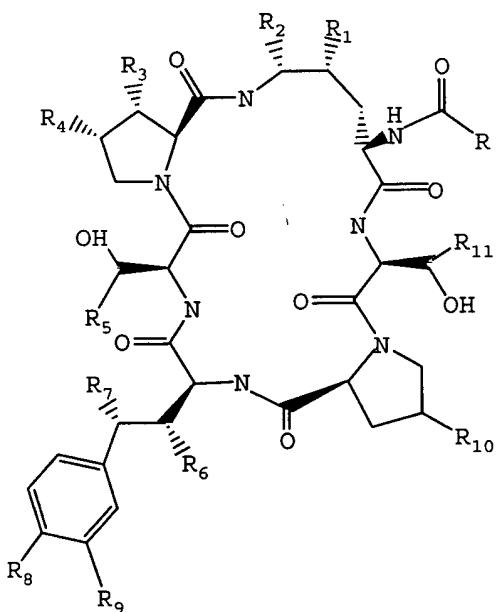
This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (previously presented): A process for preparing an oral pharmaceutical formulation comprising the steps of:

- (i) mixing an echinocandin compound or echinocandin/carbohydrate complex and at least one carbohydrate in a solvent or mixture of solvents to form a pharmaceutical solution;
- (ii) spraying said solution onto a layer of fluidized granular diluent or carrier; and
- (iii) removing the excess of said solvent or solvents to form granules.

Claim 2 (previously presented): The process of Claim 1 wherein said echinocandin compound or echinocandin of said echinocandin/carbohydrate complex is represented by the



following structure:

wherein:

R is an alkyl group, an alkenyl group, an alkynyl group, an aryl group, heteroaryl group, or combinations thereof;

R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>6</sub>, R<sub>7</sub>, and R<sub>10</sub> are independently hydroxy or hydrogen;

R<sub>4</sub> is hydrogen, methyl or -CH<sub>2</sub>C(O)NH<sub>2</sub>;

R<sub>5</sub> and R<sub>11</sub> are independently methyl or hydrogen;

R<sub>4</sub> is -OH, -OPO<sub>3</sub>H<sub>3</sub>, -OPO<sub>2</sub>HCH<sub>3</sub>, -OPO<sub>2</sub>HCH<sub>3</sub>, or -OSO<sub>3</sub>H;

R<sub>9</sub> is -H, -OH, or -OSO<sub>3</sub>H; and

pharmaceutically acceptable salts thereof.

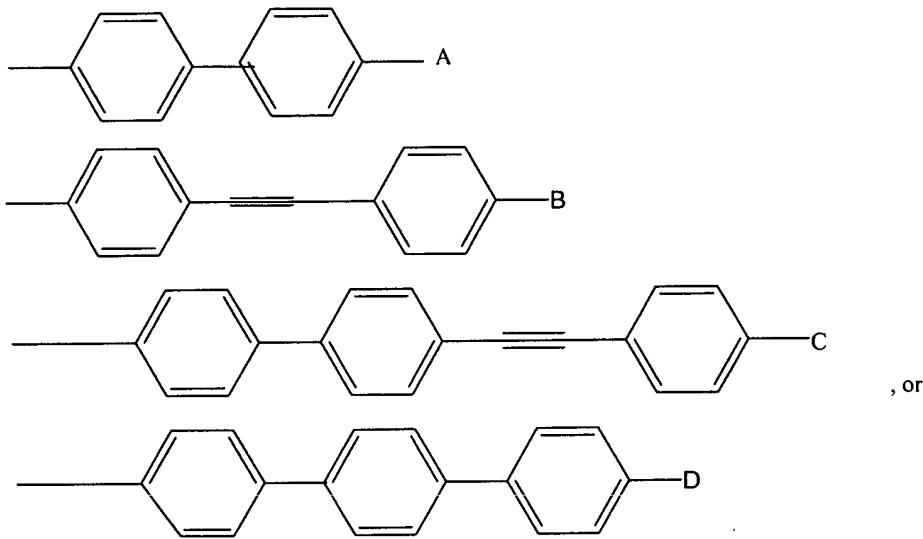
Claim 3 (previously presented): The process of Claim 2 wherein

R<sub>4</sub>, R<sub>5</sub> and R<sub>11</sub> are each methyl;

R<sub>2</sub> and R<sub>7</sub> are independently hydrogen or hydroxy; R<sub>1</sub>, R<sub>3</sub>, R<sub>6</sub> and R<sub>10</sub> are each hydroxy;

R<sub>8</sub> is -OH, -OPO<sub>3</sub>HCH<sub>3</sub>, or -OPO<sub>2</sub>HCH<sub>3</sub>;

R is linoleoyl, palmitoyl, stearoyl, myristoyl, 12-methylmyristoyl, 10,12-dimethylmyristoyl, or a group having the general structure:



where A, B, C and D are independently hydrogen, C<sub>1</sub>-C<sub>12</sub> alkyl, C<sub>2</sub>-C<sub>12</sub>, alkynyl, C<sub>1</sub>-C<sub>12</sub>, alkoxy, C<sub>1</sub>-C<sub>12</sub> alkylthio, halo, or

-O-(CH<sub>2</sub>)<sub>m</sub> [O-(CH<sub>2</sub>)<sub>n</sub>]<sub>p</sub> O-(C<sub>1</sub>-C<sub>12</sub> alkyl), or

-O-(CH<sub>2</sub>)<sub>q</sub>-X-E; m is 2, 3 or 4;

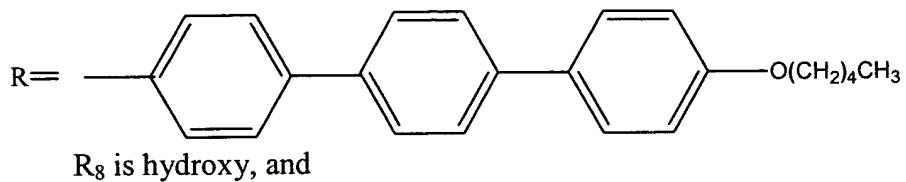
n is 2, 3 or 4; p is 0 or 1; q is 2, 3 or 4;

X is pyrrolidino, piperidino or piperazino;

E is hydrogen, C<sub>1</sub>-C<sub>12</sub> alkyl, C<sub>3</sub>-C<sub>12</sub>, cycloalkyl, benzyl or C<sub>3</sub>-C<sub>12</sub> cycloalkylmethyl.

Claim 4 (previously presented): The process of Claim 3 wherein

R<sub>2</sub> and R<sub>7</sub> are each hydroxy;



Claim 5 (previously presented): The process of Claim 1 wherein said at least one carbohydrate is selected from the group consisting of adonitol, arabinose, arabitol, ascorbic acid, chitin, D-cellubiose, 2-deoxy-D-ribose, dulcitol, (S)-(+)-erythrulose, fructose, fucose, galactose, glucose, inositol, lactose, lactulose, lyxose, maltitol, maltose, maltotriose, mannitol, mannose, melezitose, melibiose, microcrystalline cellulose, palatinose, pentaerythritol, raffinose, rhamnose, ribose, sorbitol, sorbose, starch, sucrose, trehalose, xylitol, xylose and hydrates thereof.

Claim 6 (previously presented): The process of Claim 1 wherein said at least one carbohydrate is selected from the group consisting of L-arabinose, D-arabitol, L-arabitol, 2-deoxy-D-ribose, (S)-(+)-erythrulose, D-fructose, D-(+)-fucose, L-fucose, D-galactose, ( $\beta$ -D-glucose, D-lyxose, L-lyxose, D-maltose, maltotriose, melezitose, palatinose, D-raffinose, D-sorbitol, D-trehalose, xylitol, L-xylose and hydrates thereof.

Claim 7 (previously presented): The process of Claim 4 wherein said mixture of solvents is acetone and water.

Claim 8 (previously presented): The process of Claim 7 wherein said acetone is present in an amount from 50% to 70% based on volume relative to said water.

Claim 9 (previously presented): The process of Claim 1 wherein said granular diluent or carrier is selected from the group consisting of adonitol, arabinose, arabitol, ascorbic acid, chitin, D-cellubiose, 2-deoxy-D-ribose, dulcitol, (S)-(+)-erythrulose, fructose, fucose, galactose, glucose, inositol, lactose, lactulose, lyxose, maltitol, maltose, maltotriose, mannitol, mannose, melezitose, melibiose, microcrystalline cellulose, palatinose, pentaerythritol, raffinose, rhamnose, ribose, sorbitol, sorbose, starch, sucrose, trehalose, xylitol, xylose, polyethylene glycols, hydroxypropyl methylcelluloses, hydroxypropyl methylcellulose phthalates, dextrates and hydrates thereof.

Claim 10 (previously presented): The process of Claim 1 wherein said granular diluent or carrier is a carbohydrate selected from the group consisting of fructose, glucose, lactose, lactulose; maltitol, maltose, maltotriose, mannitol, mannose, microcrystalline cellulose, hydroxypropyl methylcellulose, hydroxypropyl methylcellulose phthalate, dextrates, dextrin, sorbitol, sorbose, starch, sucrose, trehalose, xylitol, xylose and hydrates thereof.

Claim 11 (previously presented): The process of Claim 1 wherein said granular diluent or carrier is selected from the group consisting of mannitol, lactose, maltose and hydrates thereof.

Claim 12 (previously presented): The process of Claim 1 wherein said echinocandin compound is present in said granules in an amount from about 5% to 25% by weight.

Claim 13 (previously presented): The process of Claim 1 wherein said echinocandin compound is present in said granules in an amount from about 7% to 20% by weight.

Claim 14 (previously presented): The process of Claim 1 wherein said echinocandin compound is present in said granules in an amount from about 12% to 16% by weight.

Claim 15 (previously presented): The process of Claim 1 wherein said carbohydrate is present in said granules in an amount from about 5% to 25% by weight.

Claim 16 (previously presented): The process of Claim 1 wherein said carbohydrate is present in said granules in an amount from about 7% to 20% by weight.

Claim 17 (previously presented): The process of Claim 1 wherein said carbohydrate is present in said granules in an amount from about 12% to 16% by weight.

Claim 18 (previously presented): The process of Claim 1 wherein said carrier or diluent is present in said granules in an amount from about 50% to 90% by weight.

Claim 19 (previously presented): The process of Claim 1 wherein said carrier or diluent is present in said granules in an amount from about 60% to 80% by weight.

Claim 20 (previously presented): The process of Claim 1 wherein said carrier or diluent is present in said granules in an amount from about 65% to 75% by weight.

Claim 21 (previously presented): The process of Claim 1 wherein said pharmaceutical solution further comprises excipients selected from the group consisting of surfactants, flavorings, colorants, processing aids, and combinations thereof.

Claim 22 (withdrawn): An oral pharmaceutical formulation prepared by the process of Claim 1.

Claim 23 (withdrawn): A medicament comprising an oral pharmaceutical formulation of Claim 22.

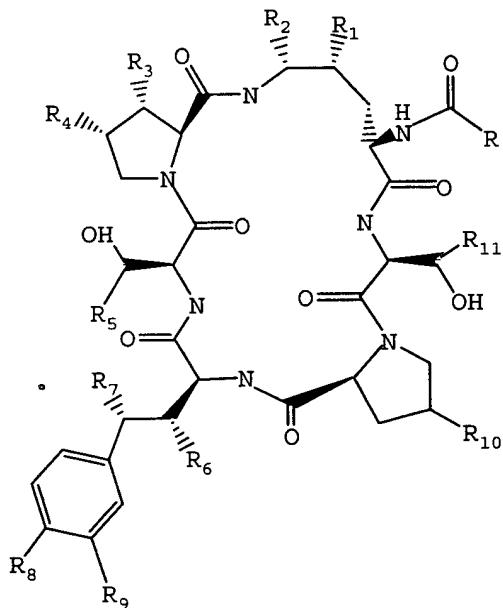
Claim 24 (withdrawn): The medicament of Claim 23 wherein said medicament is in the form of a chewable tablet or sachet.

Claim 25 (withdrawn): A method for treating a fungal infection comprising administering an effective amount of an oral pharmaceutical formulation of Claim 22 to a host in need thereof.

Claim 26 (withdrawn): A process for preparing an oral pharmaceutical formulation comprising the steps of:

- (i) mixing an echinocandin compound or echinocandin/carbohydrate complex, at least one carbohydrate and a soluble granulating agent in a solvent or mixture of solvents to form a pharmaceutical solution;
- (ii) spraying said solution onto a layer of fluidized non-granular diluent or carrier; and
- (iii) removing the excess of said solvent or solvents to form granules.

Claim 27 (withdrawn): The process of Claim 26 wherein said echinocandin compound or echinocandin of said echinocandin/carbohydrate complex is represented by the following



structure:

wherein:

R is an alkyl group, an alkenyl group, an alkenyl group, an aryl group, heteroaryl group, or combinations thereof,

R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>6</sub>, R<sub>7</sub> and R<sub>10</sub> are independently hydroxy or hydrogen;

R<sub>4</sub> is hydrogen, methyl or -CH<sub>2</sub>C(O)NH<sub>2</sub>;

R<sub>5</sub> and R<sub>11</sub> are independently methyl or hydrogen;

R<sub>8</sub> is -OH, -OPO<sub>3</sub>H<sub>2</sub>, -OPO<sub>3</sub>HCH<sub>3</sub>, -OPO<sub>2</sub>HCH<sub>3</sub>, or -OSO<sub>3</sub>H;

R<sub>9</sub> is -H, -OH, or -OSO<sub>3</sub>H; and

pharmaceutically acceptable salts thereof.

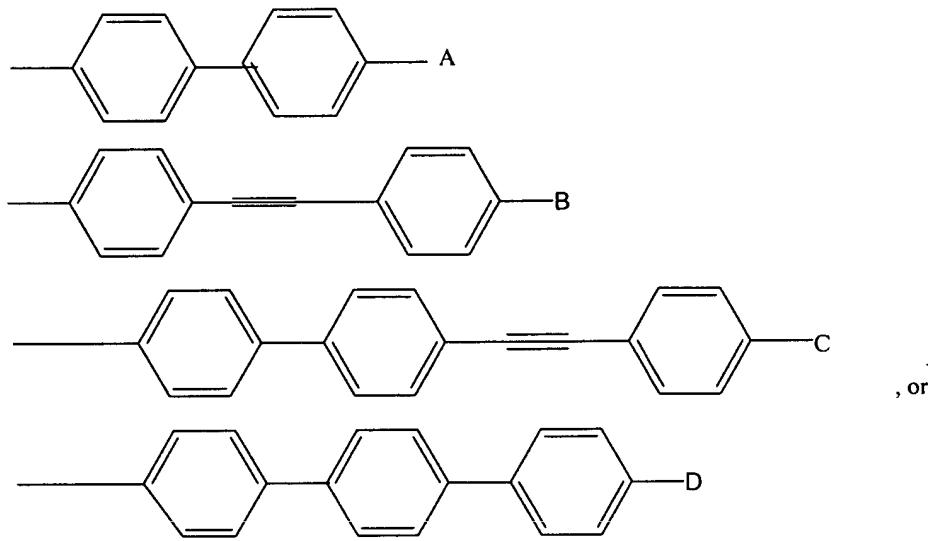
Claim 28 (withdrawn): The process of Claim 27 wherein

R<sub>4</sub>, R<sub>5</sub> and R<sub>11</sub> are each methyl;

R<sub>2</sub> and R<sub>7</sub> are independently hydrogen or hydroxy; R<sub>1</sub> R<sub>3</sub>, R<sub>6</sub> and R<sub>10</sub> are each hydroxy;

R<sub>8</sub> is -OH, -OPO<sub>3</sub>HCH<sub>3</sub>, or -OPO<sub>2</sub>HCH<sub>3</sub>;

R is linoleoyl, palmitoyl, stearoyl, myristoyl, 12-methylmyristoyl, 10,12-dimethylmyristoyl, or a group having the general structure:



where A, B, C and D are independently hydrogen, C<sub>1</sub>-C<sub>12</sub>, alkyl, C<sub>2</sub>-C<sub>12</sub>, alkynyl, C<sub>1</sub>-C<sub>12</sub> alkoxy, C<sub>1</sub>-C<sub>12</sub> alkylthio, halo, or

-O-(CH<sub>2</sub>)<sub>m</sub>-[O-(CH<sub>2</sub>)<sub>n</sub>]<sub>p</sub>- O-(C<sub>1</sub>-C<sub>12</sub>, alkyl) or

-O-(CH<sub>2</sub>)<sub>q</sub>-X-E; m is 2, 3 or 4;

n is 2, 3 or 4; p is 0 or 1; q is 2, 3 or 4;

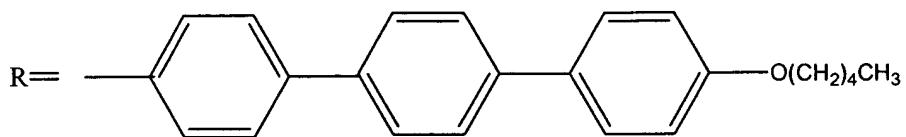
X is pyrrolidino, piperidino or piperazino;

E is hydrogen, C<sub>1</sub>-C<sub>12</sub>, alkyl, C<sub>3</sub>-C<sub>12</sub> cycloalkyl, benzyl or C<sub>3</sub>-C<sub>12</sub> cycloalkylmethyl.

Claim 29 (withdrawn): The process of Claim 28 wherein

R<sub>2</sub> and R<sub>7</sub> are each hydroxy;

R<sub>8</sub> is hydroxy; and



**Claim 30 (withdrawn):** The process of Claim 26 wherein said at least one carbohydrate is selected from the group consisting of adonitol, arabinose, arabitol; ascorbic acid, chitin, D-cellubiose, 2-deoxy-D-ribose, dulcitol, (S)-(+)-erythrulose, fructose, fucose, galactose, glucose, inositol, lactose, lactulose, lyxose, maltitol, maltose, maltotriose, mannitol, mannose, melezitose, melibiose, microcrystalline cellulose, palatinose, pentaerythritol, raffinose, rhamnose, ribose, sorbitol, sorbose, starch, sucrose, trehalose, xylitol, xylose and hydrates thereof.

**Claim 31 (withdrawn):** The process of Claim 26 wherein said at least one carbohydrate is selected from the group consisting of L-arabinose, D-arabitol, L-arabitol, 2-deoxy-D-ribose, (S)-(+)-erythrulose, D-fructose, D-(+)-fucose, L-fucose, D-galactose, β-D-glucose, D-lyxose, L-lyxose, D-maltose, maltotriose, melezitose, palatinose, D-raffinose, D-sorbitol, D-trehalose, xylitol, L-xylose and hydrates thereof.

**Claim 32 (withdrawn):** The process of Claim 29 wherein said mixture of solvents is acetone and water.

**Claim 33 (withdrawn):** The process of Claim 32 wherein said acetone is present in an amount from 50% to 70% based on volume relative to said water.

Claim 34 (withdrawn): The process of Claim 26 wherein said non-granular diluent or carrier is selected from the group consisting of adonitol, arabinose, arabitol, ascorbic acid, chitin, D-cellubiose, 2-deoxy-D-ribose, dulcitol, (S)-(+)-erythrulose, fructose, fucose, galactose, glucose, inositol, lactose, lactulose, lyxose, maltitol, maltose, maltotriose, mannitol, mannose, melezitose, melibiose, microcrystalline cellulose, palatinose, pentaerythritol, raffinose, rhamnose, ribose, sorbitol, sorbose, starch, sucrose, trehalose, xylitol, xylose, polyethylene glycols, hydroxypropyl methylcelluloses, hydroxypropyl methylcellulose phthalates, dextrates and hydrates thereof.

Claim 35 (withdrawn): The process of Claim 26 wherein said non-granular diluent or carrier is a carbohydrate selected from the group consisting of fructose, glucose, lactose, lactulose, maltitol, maltose, maltotriose, mannitol, mannose, microcrystalline cellulose, hydroxypropyl methylcellulose, hydroxypropyl methylcellulose phthalate, dextrates, dextrin, sorbitol, sorbose, starch, sucrose, trehalose, xylitol, xylose and hydrates thereof.

Claim 36 (withdrawn): The process of Claim 26 wherein said granular diluent or carrier is selected from the group consisting of mannitol, lactose, maltose and hydrates thereof.

Claim 37 (withdrawn): The process of Claim 26 wherein said echinocandin compound is present in said granules in an amount from about 5% to 25% by weight.

Claim 38 (withdrawn): The process of Claim 26 wherein said echinocandin compound is present in said granules in an amount from about 7% to 20% by weight.

Claim 39 (withdrawn): The process of Claim 26 wherein said echinocandin compound is present in said granules in an amount from about 12% to 16% by weight.

Claim 40 (withdrawn): The process of Claim 26 wherein said carbohydrate is present in said granules in an amount from about 5% to 25% by weight.

Claim 41 (withdrawn): The process of Claim 26 wherein said carbohydrate is present in said granules in an amount from about 7% to 20% by weight.

Claim 42 (withdrawn): The process of Claim 26 wherein said carbohydrate is present in said granules in an amount from about 12% to 16% by weight.

Claim 43 (withdrawn): The process of Claim 26 wherein said carrier or diluent is present in said granules in an amount from about 50% to 90% by weight.

Claim 44 (withdrawn): The process of Claim 26 wherein said carrier or diluent is present in said granules in an amount from about 60% to 80% by weight.

Claim 45 (withdrawn): The process of Claim 26 wherein said carrier or diluent is present in said granules in an amount from about 65% to 75% by weight.

Claim 46 (withdrawn): The process of Claim 26 wherein said granulating agent is polyvinylpyrrolidone.

Claim 47 (withdrawn): The process of Claim 26 wherein said pharmaceutical solution further comprises excipients selected from the group consisting of surfactants, flavorings, colorants, processing aids, and combinations thereof.

Claim 48 (withdrawn): An oral pharmaceutical formulation prepared by the process of Claim 26.

Claim 49 (withdrawn): A medicament comprising an oral pharmaceutical formulation of Claim 48.

Claim 50 (withdrawn): The medicament of Claim 49 wherein said medicament is in the form of a chewable tablet or sachet.

Claim 51 (withdrawn): A method for treating a fungal infection comprising administering an effective amount of an oral pharmaceutical formulation of Claim 48 to a host in need thereof.